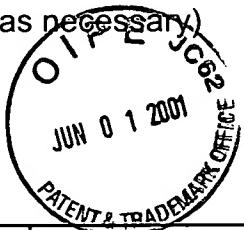


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				<i>Complete if Known</i>	
				Application Number	09/697,235
				Filing Date	October 26, 2000
				Confirmation Number	3468
				First Named Inventor	Christopher D. Knight
				Group Art Unit	1761
				Examiner Name	N. Bhat
Sheet	1	of	1	Attorney Docket No.	NVI 5044.1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
NB	51	4,000,318		Ferguson, et al.	12/28/76
					RECEIVED JUL 1 1976 U.S. PATENT & TRADEMARK OFFICE

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)			
NB	52	AU	66,668/74		Ferguson, et al.	9/18/75	

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	<i>NBhat</i>	Date Considered	7/15/01
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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APPLICANT

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FILING DATE

GROUP

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1761

(Use several sheets if necessary)



## U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROP.
NB	1 3,272,866	09/1966	J. Conner et al.	260	583	
	2 3,761,518	09/1973	F. Haqlid	260	535	R
	3 3,773,927	11/1973	E. Cummins	424	166	R
	4 4,118,513	10/03/78	Braund et al.	426	20	RE
	5 4,175,121	11/1979	N. Mantha	424	94	R
PT, m6	6 4,310,690	01/1982	E. Cummins	562	581	
PT, m6	7 4,335,257	01/1982	E. Cummins et al.	562	581	ED
PT, m6	8 4,388,327	06/1983	E. Cummins	426	2	ED
	9 4,524,077	06/1985	D. Ruest et al.	514	557	
	10 4,615,891	10/07/86	Nocek et al.	426	231	
	11 5,158,791	10/27/92	Nocek et al.	426	231	
	12 5,167,957	12/1992	Webb, Jr., et al.	424	115	
	13 5,182,126	01/1993	A. Vinci et al.	426	74	
	14 5,225,230	07/06/93	Seaman et al.	426	634	
	15 5,250,307	10/1993	K. Cummings et al	426	72	
	16 5,391,787	02/1995	A. Vinci et al.	554	156	
	17 5,413,803	05/09/95	Chung	426	598	
	18 5,425,963	06/1995	M. Lajoie	426	2	
	19 5,456,927	10/1995	A. Vinci et al.	426	74	
	20 5,532,008	07/02/96	Sasaoka et al.	426	73	
	21 5,631,031	05/1997	T. Meade	426	2	
	22 5,720,970	02/24/98	Rode et al.	424	438	
NB	23 5,763,657	06/09/98	Hijiya et al.	562	561	

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANS. YES/NO
NB	24 DE19524054A1	01/18/96	Germany	6	—	No
NB	25 A2,194,437	01/25/96	Canada	6	—	No
NB	50 WO 0028835	05/25/00	WIPO	—	—	No

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PTO-SB/08A U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-82) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO.

NVI 5044.1 09/697,3235

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JAN 22 2001

(Use several sheets if necessary)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		DESCRIPTION
NB	26	I. Belasco "Fate of Carbon 14 Labeled Methionine Hydroxy Analog and Methionine in the Lactating Dairy Cow" Journal of Dairy Science, Vol. 63, No. 5 (1980) pp. 775-784.
NB	27	I. Belasco "Stability of Methionine Hydroxy Analog in Rumen Fluid and Its Conversion in Vitro to Methionine by Calf Liver and Kidney" Journal of Dairy Science, Vol. 55, No. 3 (1972) pp. 353-357.
NB	28	R. Bishop et al. "Effect of Continuous Methionine Hydroxy Analog Supplementation on Complete Lactations" Journal of Dairy Science, Vol. 55, No. 5, Abstr. P143 (1972) pp. 711.
NB	29	P. Chandler et al. "Protein and Methionine Hydroxy Analog for Lactating Cows" Journal of Dairy Science, Vol. 59, No. 11, (1976) pp. 1897-1909.
NB	30	Feedstuff Staff Editor, "Novus Enters Dairy Market With Liquid HMB" Feedstuffs (7/29/96) p. 7.
NB	31	D. Fox et al. "A Net Carbohydrate and Protein System for Evaluating Cattle Diets: III. Cattle Requirements and Diet Adequacy" Journal of Animal Science, Vol. 70 (1992) pp. 3578-3796.
NB	32	D. Fox "Using Computer Models In Extension to Develop More Profitable Feeding Systems" Computer Applications in Animal Agriculture Workshop, (6/1992) The National Dairy Database.
NB	33	D. Galligan et al. "Dairy Ration Formulation and Evaluation Program for Microcomputers" Journal of Diary Science, Vol. 69, No. 6 (1986) pp. 1656-1664.
NB	34	D. Galligan et al. "Dairy Ration Formulation (Linear Programming) Microcomputer Program" Combined Meeting of the American Dairy Science Assoc. and the American Society of Animal Science, Lexington, KY, (7/31-8/4/89) Journal of Dairy Science, Vol. 72, Suppl. 1, Abstr. 1077 (1989) p. 445.

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7/15/01

PTO-SB/08A U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-82) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO.

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October 26, 2000 1761

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Use several sheets if necessary)

JAN 22 2001

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	DESCRIPTION
NB	35 L. Griel et al. "Milk Production Response to Feeding Methionine Hydroxy Analog to Lactating Dairy Cows" Journal of Dairy Science, Vol. 51, No. 11 (1968) pp. 1866-1868.
NB	36 R. Kalter et al. "The Anatomy of an Expert Systems Project" Computer Applications in Animal Agriculture Workshop (6/1992) The National Dairy Database
NB	37 J. O'Connor et al. "A Net Carbohydrate and Protein System for Evaluating Cattle Diets: IV. Predicting Amino Acid Adequacy" Journal of Animal Science, Vol. 71 (1993) pp. 1298-1311.
NB	38 J. Patterson et al. "Metabolism of DL-Methionine and Methionine Analogs by Rumen Microorganisms" Journal of Dairy Sci., Vol. 71, No. 12 (1988) pp. 3292-3301.
NB	39 C. Polan et al. "Methionine Hydroxy Analog: Varying Levels for Lactating Cows" Journal of Dairy Science, Vol. 53, No. 5, (5/1970) pp. 607-610.
NB	40 L. Rode et al. "Economics of Post-Ruminal Amino Acids in High Producing Dairy Cows" 1997 Bioproducts & Novus International Technical Diary Symposium Proceedings, (2/27/97) Phoenix, Arizona, pp. 3-14.
NB	41 W. Robey et al. "An Alternative Approach to Feeding Rumen Undegradable Methionine to Dairy Cows: Optimizing Milk Production" Feed Management (12/1996).
NB	42 J. Russell et al. "A Net Carbohydrate and Protein System for Evaluating Cattle Diets: I. Ruminal Fermentation" Journal of Animal Science, Vol. 70 (1992) pp. 3551-3561.
NB	43 C. Sniffen et al. "A Net Carbohydrate and Protein System for Evaluating Cattle Diets: II. Carbohydrate and Protein Availability" Journal of Animal Science, Vol. 70 (1992) pp. 3562-3577.
NB	44 "Energy Barrier Breaker - Research Summary 1991 Edition, MEGALAC Rumen Bypass Fat" Church & Dwight Co., Inc., #ML1002-9104 (1991) pp. 1-16.
NB	45 Brochure "MEGALAC PLUS Rumen Bypass Fat With Methionine Hydroxy Analog For Methionine-Limited Cows" Church & Dwight Co., Inc., #ML1004-9407 (1994).

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7/15/01

PTO-SB/08A U.S. DEPARTMENT OF COMMERCE  
 (Rev. 2-82) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SERIAL NO.

NVI 5044.1 09/697,235

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October 26, 2000 1761

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STATEMENT BY APPLICANT

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	DESCRIPTION	1700	FEB	REC
NB	46 Brochure "MEGALAC PLUS Fills the Holes in Your Milk Protein Strategy" Church & Dwight Co., Inc. (1996).	1700	FEB	REC
NB	47 Brochure "MEGALAC Rumen Bypass Fat. How to Feed More When Your Cows Can't Eat More" Church & Dwight Co., Inc #ML1003-9502 (1995).	1700	FEB	REC
NB	48 Demonstration computer report generated by "Net Carbohydrate and Protein System," Center for Animal Health and Productivity, Kennett Square, PA (1995) 3 pages. {Disclosed report is resident within the computer model software as an example demonstrating the computer program's use and capabilities.}	1700	FEB	REC
NB	49 G.E. Higginbotham, J.D. Schuh, L. Kung and J.T. Huber, Palatability of Methionine Hydroxy Analog or DL-Methionine, Journal of Dairy Science Vol. 70, No. 3, 1987, pp 630-634	1700	FEB	REC

EXAMINER

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7/15/01

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